

ABSTRACT OF THE DISCLOSURE

An X-ray diagnosis apparatus for obtaining an X-ray image comprises an X-ray radiator, a detector, a first mechanism, a second mechanism, a controller, and an image processor. The X-ray radiator is configured to radiate an X-ray to a specimen. The detector is configured to detect an X-ray data resulting from the X-ray. The first mechanism is coupled to the detector and is configured to shift the detector along a detecting plane of the detector. The second mechanism is coupled to the X-ray radiator and is configured to change a radiation direction of the X-ray against the detector. The controller is configured to control the second mechanism in accordance with the shift of the detector. The image processor is coupled to the detector and is configured to prepare a fluoroscopic image data as the X-ray image based on the X-ray data. The image processor also corrects a deformation of the fluoroscopic image data.